

AMENDMENT

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

In response to the Office Action dated March 4, 2002, please amend the above-referenced patent application as follows:

In the specification:

Please replace the Cross Reference to Related Cases paragraph beginning at page 1, line 11, with the following rewritten paragraph:

a'
--This application is related to co-pending, commonly owned patent application Serial No. 09/696,528, filed October 23, 2000, entitled "Electrostrictive Graft Elastomers."--

Please replace the paragraph beginning at page 4, line 17, with the following rewritten paragraph:

a²
--Referring now to FIGs. 3A and 3B, actuator 140 comprises layer 310 of an electrostrictive polymer material having a tailorable Poisson's ratio. The strain in layer 310 increases in one direction as Poisson's ratio tends to zero. Any deviation of Poisson's ratio away from zero will produce off-axis displacement. Such off-axis displacement is preferably minimized. A Poisson's ratio of zero provides the especially preferred single axis displacement. A preferred material is the electrostrictive graft elastomer described and claimed in "Electrostrictive Graft Elastomers", Serial No. 09/696,528, filed October 23, 2000, hereby incorporated by reference. The Poisson's ration is tailored via crystal orientation. Layer 310 is electroded 320 on both its upper